

## ***Worksheet - Networking***

Review the PowerPoint on *Networking* (posted on the class website) to answer the following questions. You may also use online resources.

Save a copy of your answers to the Google drive!

What is a computer network?

A computer network is a connection between two or more devices. Networks can be wireless and wired.

Give three examples of computer networks you use in your everyday life.

1. LAN (Large Area Network)
2. WAN (Wide Area Network)
3. PAN (Personal Area Network)

Why is it important for every computer to have a unique IP address?

It is important for every computer to have its own unique IP address because without a IP address computers won't be able to communicate with each other and they won't be able to have the access to the internet.

How does a peer-to-peer network differ from a client-server network?

Peer-to-peer network differ from a client-server network because in client-server network the data is stored in a centralized server whereas in peer-to-peer data each user has its own data and applications and the computer act as servers and clients.

What does cloud computing refer to? How does it differ from a client-server model? Give one real world example of an application that uses this method besides Google Drive.

Cloud computing refer to storing all the data and information on the internet instead in the hard drive.

Explain the difference between a client and a server.

The difference between a client and a server is that a client is a computer that connects to a server to request a resource whereas a server is a computer that provides resources on a computer.

Give up to three examples of your own computer use where you have used a client-server network. Be as specific as possible.

1. When I search for a web page such as [www.wikipedia.org](http://www.wikipedia.org) my computer is requesting the server aka the host for this specific resource.
2. When I am playing on my Xbox 1, the client which is Xbox 1 is requesting for resources such as new games, new updates etc to Xbox Live who are the servers providing these resources to my Xbox 1.
3. When I search for a song to listen, my computer is requesting the server to provide me that resource aka the song.

Give up to three examples of your own computer use where you have used a peer-to-peer network. Be as specific as possible.

1. When I share files with my classmates on Ares Galaxy.